

Fig. 1

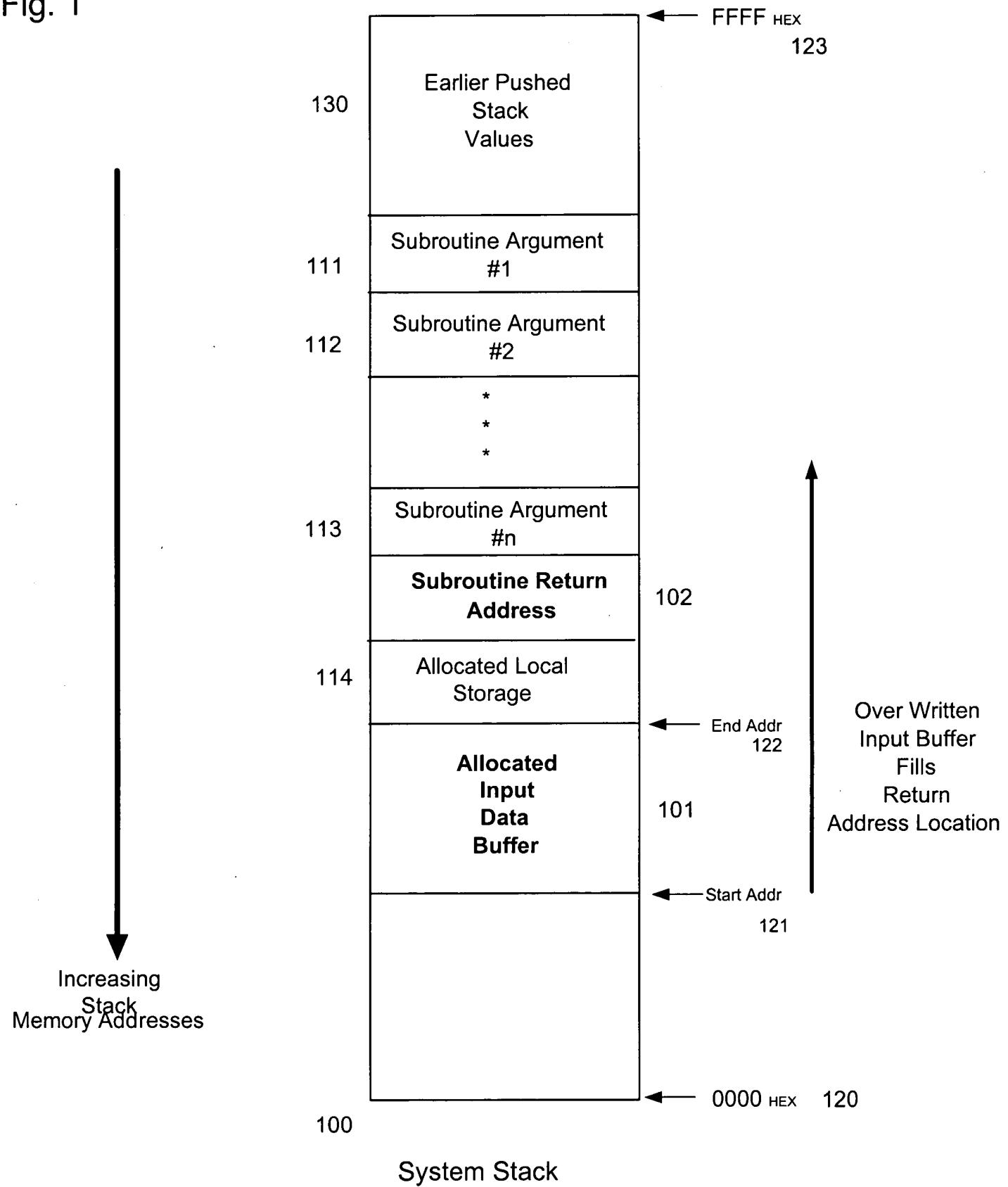


FIG. 2

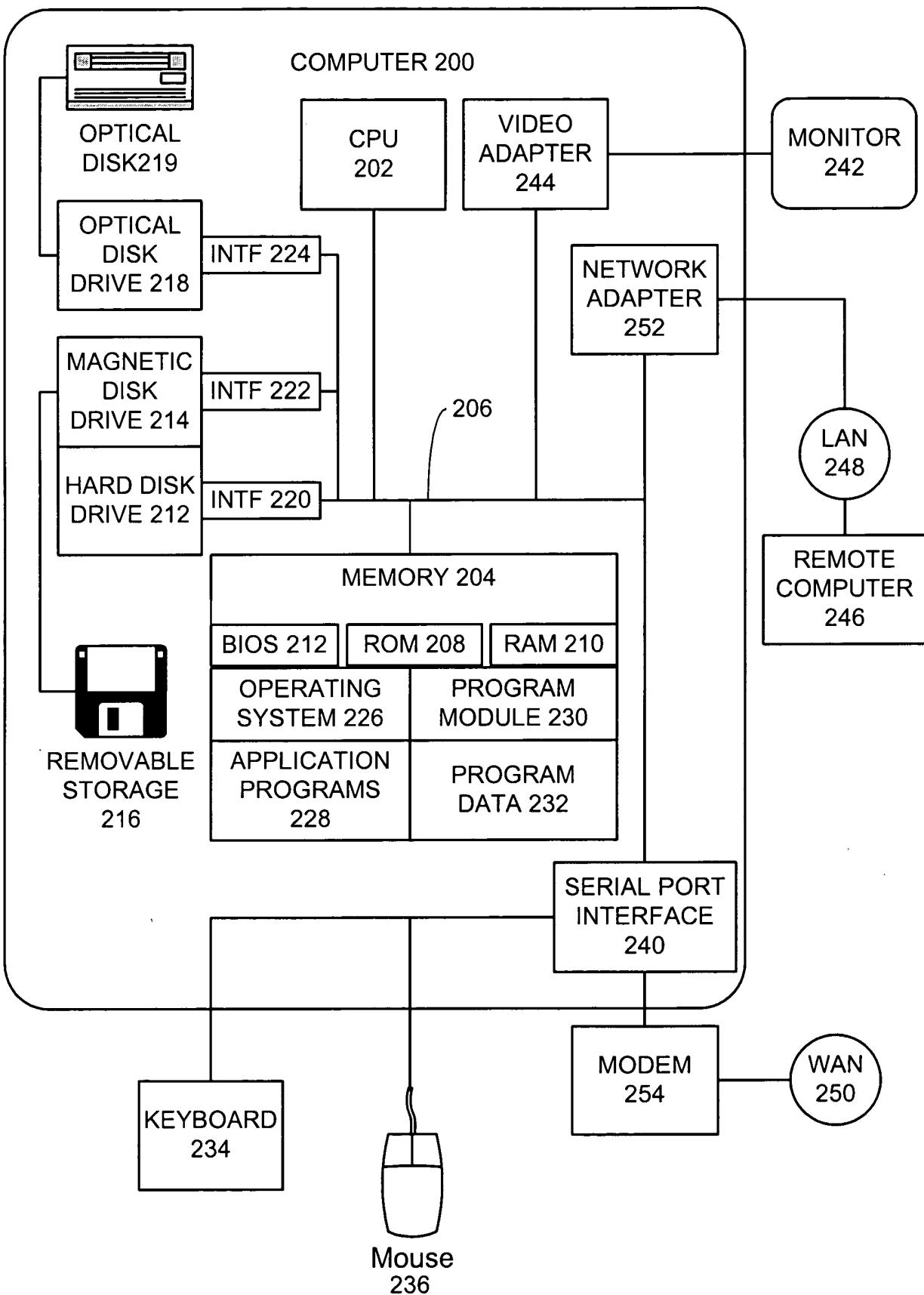


Fig. 3

0000 - FFFF

Increasing
Stack
Memory Addresses

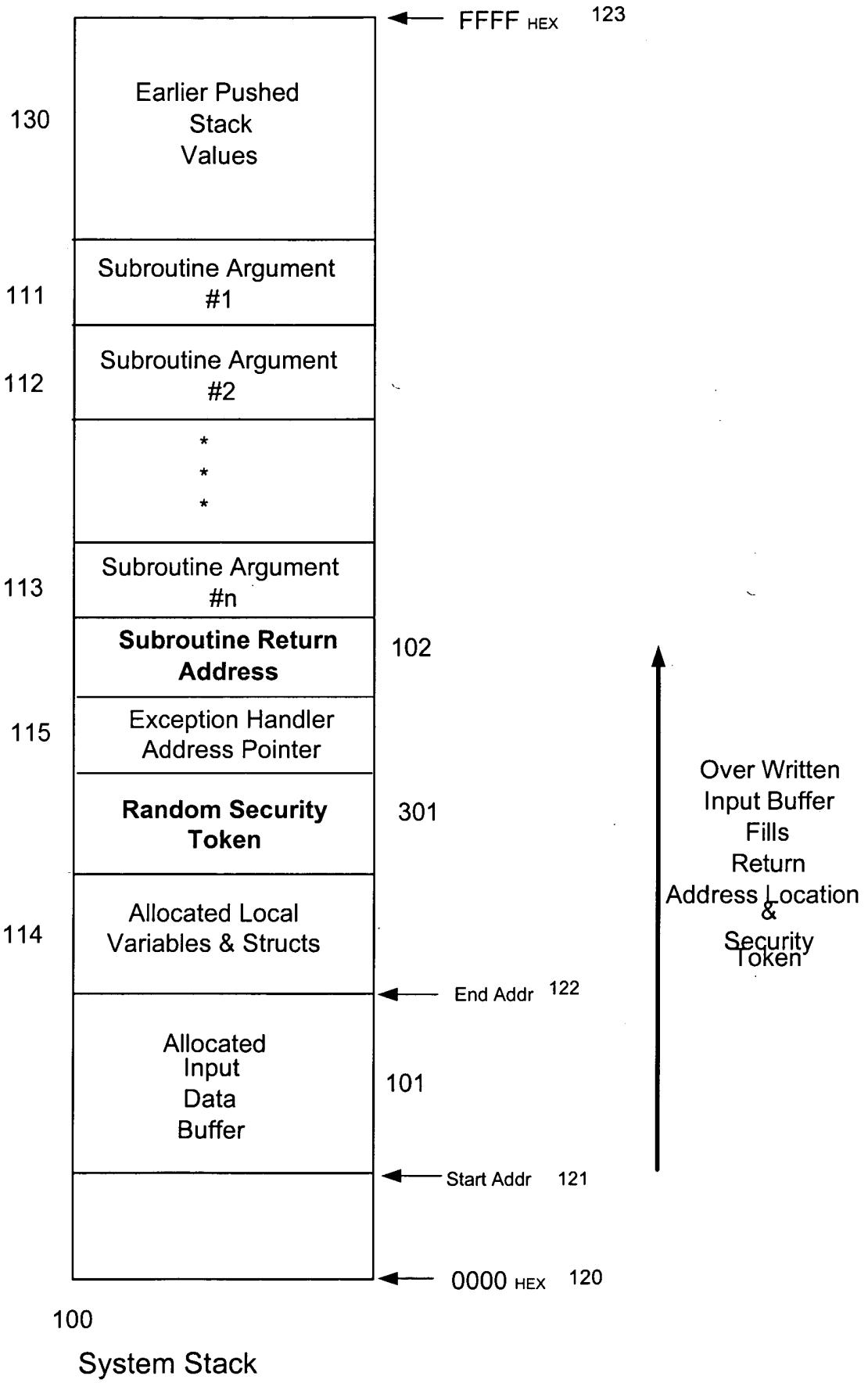


Fig. 4

```
(* Call to Subroutine FOO *)
    push ARG_1
    push ARG_2
    *
    *
    *
    push ARG_n
    push Return_Addr
    go to
-- NO @Instruction -
Return_Addr:
```

001E80 "00E80000000000000000000000000000

Fig. 5

```
FOO:      -- Subroutine using Large Input Buffer --
SET_FRAME_REGISTER
push Security_Token
allocate_locals
allocate_locals_Containing_Addr_Pointe
        |
(*      -- FOO FUNCTIONAL CODE IS HERE      --      *)
        |
pop Security_Token
verify Security_Token
        value
if (FAIL) ABORT_PROGRAM
else Return
```

Fig. 6

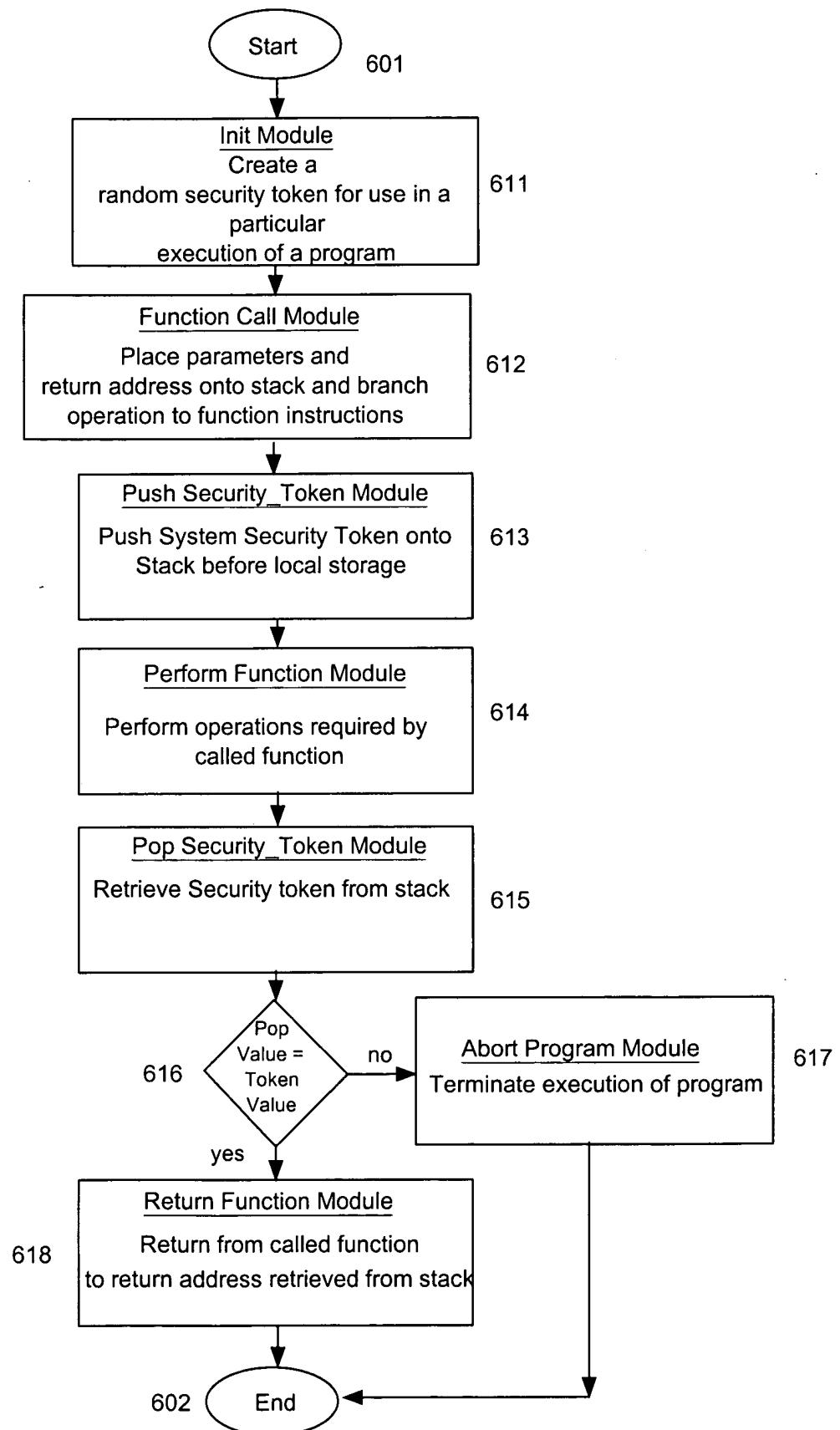
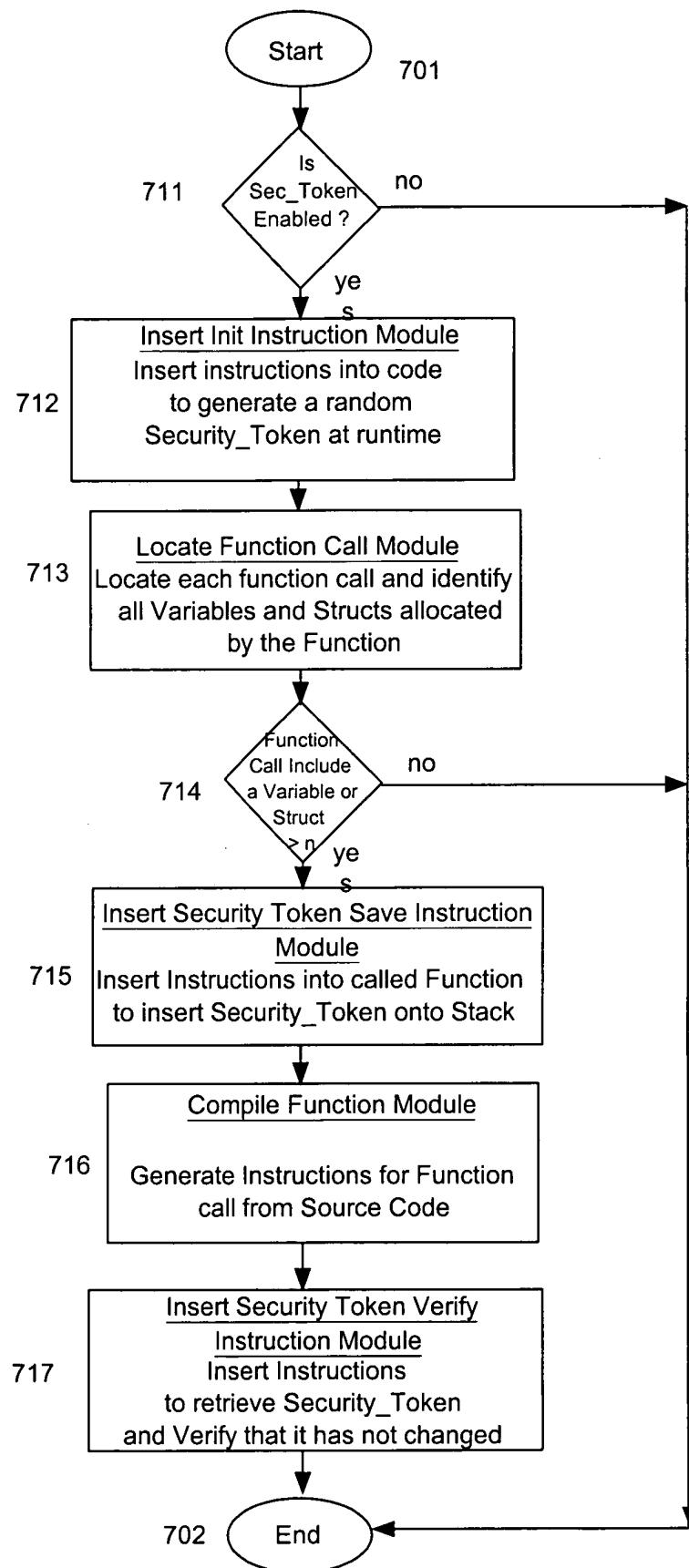


Fig. 7



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